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1

Attorney Docket No. 14014.0349U2

SEQUENCE LISTING

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<110> Carballo-Jane, Ester
      Lai, Wi S.
      Blackshear, Perry J.
<120> TTP-RELATED ZINC FINGER DOMAINS AND METHODS OF USE
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<150> 60/148,810
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Pro Arg Leu Gly Pro Glu Leu Ser Pro Ser Pro Thr Ser Pro Thr Ala
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Thr Ser Thr Thr Pro Ser Arg Tyr Lys Thr Glu Leu Cys Arg Thr Phe
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Ser Glu Ser Gly Arg Cys Arg Tyr Gly Ala Lys Cys Gln Phe Ala His
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Gly Leu Gly Glu Leu Arg Gln Ala Asn Arg His Pro Lys Tyr Lys Thr
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Glu Leu Cys His Lys Phe Tyr Leu Gln Gly Arg Cys Pro Tyr Gly Ser
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Arg Cys His Phe Ile His Asn Pro Ser Glu Asp Leu Ala Ala Pro Gly
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His Pro Pro Val Leu Arg Gln Ser Ile Ser Phe Ser Gly Leu Pro Ser
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Gly Arg Arg Thr Ser Pro Pro Pro Gly Leu Ala Gly Pro Ser Leu
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                            200
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Ser Ser Ser Ser Phe Ser Pro Ser Ser Pro Pro Pro Pro Gly Asp
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Leu Pro Leu Ser Pro Ser Ala Phe Ser Ala Ala Pro Gly Thr Pro Leu
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                                                            240
Ala Arg Arg Asp Pro Thr Pro Val Cys Cys Pro Ser Cys Arg Arg Ala
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Thr Pro Ile Ser Val Trp Gly Pro Leu Gly Gly Leu Val Arg Thr Pro
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                                265
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Ser Val Gln Ser Leu Gly Ser Asp Pro Asp Glu Tyr Ala Ser Ser Gly
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 Ser Ser Leu Gly Gly Ser Asp Ser Pro Val Phe Glu Ala Gly Val Phe
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Arg Ile Ser Val Ser Glu
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Asn Gln Leu Leu Ser Ser Leu Lys Gly Glu Pro Ala Pro Ala Leu Ser
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Ser Arg Asp Ser Arg Phe Arg Asp Arg Ser Phe Ser Glu Gly Glu
                85
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Arg Leu Leu Pro Thr Gln Lys Gln Pro Gly Gly Gln Val Asn Ser
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Ser Arg Tyr Lys Thr Glu Leu Cys Arg Pro Phe Glu Glu Asn Gly Ala
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Cys Lys Tyr Gly Asp Lys Cys Gln Phe Ala His Gly Ile His Glu Leu
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Arg Ser Leu Thr Arg His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Thr
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Phe His Thr Ile Gly Phe Cys Pro Tyr Gly Pro Arg Cys His Phe Ile
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                                    170
His Asn Ala Glu Glu Arg Arg Ala Leu Ala Gly Ala Arg Asp Leu Ser
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                               185
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Ala Asp Arg Pro Arg Leu Gln His Ser Phe Ser Phe Ala Gly Phe Pro
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Ser Ala Ala Ala Thr Ala Ala Ala Thr Gly Leu Leu Asp Ser Pro Thr
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Ser Ile Thr Pro Pro Pro Ile Leu Ser Ala Asp Asp Leu Leu Gly Ser
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Pro Thr Leu Pro Asp Gly Thr Asn Asn Pro Phe Ala Phe Ser Ser Gln
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Glu Leu Ala Ser Leu Phe Ala Pro Ser Met Gly Leu Pro Gly Gly Gly
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Ser Pro Thr Thr Phe Leu Phe Arg Pro Met Ser Glu Ser Pro His Met
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                            280
                                                285
Phe Asp Ser Pro Pro Ser Pro Gln Asp Ser Leu Ser Asp Gln Glu Gly
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Tyr Leu Ser Ser Ser Ser Ser His Ser Gly Ser Asp Ser Pro Thr
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Ser Ala Pro Pro Lys His Leu Ser Leu Ser Ser Leu Arg Tyr Lys Thr
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                             40
                                                 45
Glu Leu Cys Ser Arg Tyr Ala Glu Ser Gly Phe Cys Ala Tyr Arg Asn
                         55
Arg Cys Gln Phe Ala His Gly Leu Ser Glu Leu Arg Pro Pro Val Gln
                    70
                                         75
His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Ser Phe His Val Leu Gly
                85
                                     90
Thr Cys Asn Tyr Gly Leu Arg Cys Leu Phe Ile His Ser Pro Gln Glu
            100
                                105
                                                     110
Arg Arg Glu Pro Pro Val Leu Pro Asp Asn Leu Ser Leu Pro Pro Arg
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                            120
                                                 125
Arg Tyr Gly Gly Pro Tyr Arg Glu Arg Cys Arg Leu Trp Ser Ala Pro
    130
                        135
                                             140
Gly Gly Cys Pro Tyr Gly Ala Arg Cys His Phe Gln His Pro Lys Ser
                    150
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Ala Arg Glu Thr Cys Arg His Phe Ala Ala Leu Gly Asp Cys Pro Tyr
                1.65
                                    170
Gly Ala Cys Cys His Phe Ser His Ser Pro Pro Leu Asp Arg Trp Gly
            180
                                185
                                                    190
Ser Gly Thr Lys Asn Ser Ser Gly Ser Leu Ser Pro Ser Asp Pro Asp
        195
                            200
                                                205
Ser Asp Pro Asp Thr Pro Val Leu Ser Glu Ser Pro Ala Asn Asn Ala
                        215
                                             220
Phe Ser Phe Ser Ser Leu Leu Pro Leu Ala Leu Arg Leu Gln Ile
                    230
                                        235
Leu Gly Asp Asp Asp Leu Pro Thr Ala Ser Asp Pro Leu Pro Gly Asp
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Ser Val Leu Gly
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                                25
Ser Leu Ala Lys Ala Leu Leu Pro Leu Val Glu Ser Pro Ser Pro Pro
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                            40
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Met Thr Pro Trp Leu Cys Ser Thr Arg Tyr Lys Thr Glu Leu Cys Ser

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55

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Arg Tyr Ala Glu Thr Gly Thr Cys Lys Tyr Ala Glu Arg Cys Gln Phe
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Ala His Gly Leu His Asp Leu His Val Pro Ser Arg His Pro Lys Tyr
                85
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Lys Thr Glu Leu Cys Arg Thr Tyr His Thr Ala Gly Tyr Cys Val Tyr
                                105
Gly Thr Arg Cys Leu Phe Val His Asn Leu Lys Glu Gln Arg Pro Val
        115
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Arg Gln Arg Cys Arg Asn Val Pro Cys Arg Thr Phe Arg Ala Phe Gly
                       135
Val Cys Pro Phe Gly Thr Arg Cys His Phe Leu His Val Glu Gly Gly
                    150
                                        155
Ser Glu Ser Asp Gly Gly Glu Glu Glu Gln Thr Cys Gln Pro Met Ser
                165
                                    170
Gln Ser Gln Glu Trp Lys Pro Arg Gly Ala Leu Cys Arg Thr Phe Ser
           180
                                185
Ala Phe Gly Phe Cys Leu Tyr Gly Thr Arg Cys Arg Phe Gln His Gly
       195
                            200
                                                205
Leu Pro Asn Ser Ile Lys Gly Val Asn Ser Thr His Thr Ser Trp Pro
                       215
                                            220
His Gln Met Thr Asn Arg Gly Ser Leu Ser Pro Val Ser Asp Ala Cys
                   230
                                       235
Ser Ser Gln Ser Pro Pro Ser Ser Val Pro Ser Val Cys Val Gly Phe
               245
                                    250
                                                       255
Ala Val Tyr Pro Glu Gly Ser Gly Pro Val Thr Pro Pro Ser Val Glu
         260
                               265
Ala Val Ala Asn Asn Ala Phe Thr Phe Ser Ser Gln His Leu Asn Asp
    275
                           280
Leu Leu Pro Leu Ala Leu Arg Leu Gln Gln Leu Glu Asn Val Thr
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                                           300
Asn Ala Gly Pro Gln Asp Ala Val Asp Lys Pro Leu Leu Leu Ser Leu
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Trp Gln Asp Asp Pro Arg Ser
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Pro Ser Gln Ser Gln Glu Trp Lys Pro Arg Gly Ala Leu Cys Arg Thr
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Phe Ser Ala Phe Gly Phe Cys Leu Tyr Gly Thr Arg Cys Arg Phe Gln
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                            200
                                                 205
His Gly Leu Pro Asn Thr Ile Lys Gly His Asn Ala Asn His Thr Ser
                        215
                                            220
Trp Pro Gln Gln Met Thr Asn Gly Gly Ser Ile Ser Pro Ile Ser Asp
                    230
                                        235
Thr Cys Thr Ser Pro Ser Pro Pro Ser Ser Ser Pro Thr Ser Ala Leu
                245
                                    250
Pro Ser Pro Val Tyr Pro Asp Ser Ser Gly Pro Ile Thr Pro Pro Ser
                                265
                                                    270
Val Glu Ala Val Ala Asn Asn Ala Phe Thr Phe Ser Ser Gln His Leu
                            280
Asn Asp Leu Leu Pro Leu Ala Leu Arg Leu Gln Gln Leu Glu Lys
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Ala Ala Ser Ala Gly Pro Gln Asp Val Leu Asp Lys Pro Leu Leu
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Ser Leu Thr Arg His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Thr Phe
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Lys Tyr Gly Asp Lys Cys Gln Phe Ala His Gly Ile His Glu Leu Arg
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His Thr Ile Gly Phe Cys Pro Tyr Gly Pro Arg Cys His Phe Ile His
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Ser Leu Thr Arg His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Thr Phe
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Lys Tyr Gly Asp Lys Cys Gln Phe Ala His Gly Ile His Glu Leu Arg
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Ser Leu Thr Arg His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Thr Phe
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Ser Leu Thr Arg His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Thr Phe
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<212> PRT
<213> Xenopus laevis
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Ser Leu Thr Arg His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Thr Phe
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 Gln Ala Asn Arg His Pro Lys Tyr Lys Thr Glu Leu Cys His Lys Phe
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 Tyr Leu Gln Gly Arg Cys Pro Tyr Gly Ser Arg Cys His Phe Ile His
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                                 25
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Val Pro Ser Arg His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Thr Tyr
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His Thr Ala Gly Tyr Cys Val Tyr Gly Thr Arg Cys Leu Phe Val His
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Val Pro Ser Arg His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Thr Tyr
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                                                                        120
agacucuuce cugaggugca augcacagce uuccucacag agccagccc ccucuauuua
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uauuugcacu uauuauuuau uauuuauuu uuauuuauuu auuugcuuau gaauguauuu
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Cys Gln Phe Ala His Gly
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<213> Homo sapiens
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His Pro Lys Tyr Lys Thr Glu Leu Cys
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